

Claims

1. Areal implant with a mesh-like basic structure (10; 20; 30) and a reinforced zone (12; 22, 24; 32) in a central area of the basic structure (10; 20; 30).

5 2. Implant according to claim 1, characterized in that the strength of the reinforced zone (22, 24) decreases towards the peripheral area of the basic structure (20).

10 3. Implant according to claim 2, characterized in that the reinforced zone (22, 24) has a homogenous central area (22) and a zone (24) of lower strength surrounding the homogenous central area (22).

15 4. Implant according to one of claims 1 to 3, characterized in that the reinforced zone (12; 22, 24; 32) is mesh-like and has a smaller pore size than the peripheral area of the basic structure (10; 20; 30).

20 5. Implant according to one of claims 1 to 4, characterized in that radial reinforcing elements (34, 36) extend from the reinforced zone (32) towards the peripheral edge (31) of the basic structure (30).

25 6. Implant according to claim 5, characterized in that at least one radial reinforcing element (36) is widened in the area of the peripheral edge (31) of the basic structure (30).

30 7. Implant according to one of claims 1 to 6, characterized in that the basic structure (10; 20; 30) is weft-knitted or warp-knitted.

8. Implant according to claim 7, characterized in that the implant is weft-knitted or warp-knitted in one piece.

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9. Implant according to one of claims 1 to 7, characterized in that the reinforced zone (12) is made in one piece in the form of a reinforcing part, preferably weft-knitted or warp-knitted, and is attached to the separately produced basic structure (10).

10. Implant according to one of claims 1 to 7 in conjunction with claim 5 or 6, characterized in that the reinforced zone (32) together with the radial reinforcing elements (34, 36) is made in one piece in the form of a reinforcing part, preferably weft-knitted or warp-knitted, and is attached to the separately produced basic structure (30).

11. Implant according to one of claims 1 to 10, characterized by non-resorbable material.

12. Implant according to claim 11 characterized in that the non-resorbable material comprises at least one of the substances selected from the following group: polypropylene, polyamide, polyester.

13. Implant according to one of claims 1 to 12, characterized by resorbable material.

14. Implant according to claim 13, characterized in that the resorbable material comprises at least one of the substances selected from the following group: copolymer made from lactide and glycolide, poly-p-dioxanone.

15. Implant according to claim 13 or 14, characterized by a stiffening element made from resorbable material.

16. Implant according to claim 15, characterized in that the stiffening element is formed as a coating of material of the implant.

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17. Implant according to claim 15 or 16, characterized in that the stiffening element is formed as a film.

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